United States Environmental Protection Agency
Washington, D.C. 20460

# Water Compliance Inspection Report

## Section A: National Data System Coding (i.e., PCS)

| Transaction Code | NPDES | yr/mo/day | Inspection Type | Inspector | Fac Type |
|---|---|---|---|---|---|
| 1 N 2 5 | 3 WAU000530 11 | 12 11/02/24 17 | 18 = | 19 R | 20 3 |

Remarks: YB 3-2-2011

21 ... 66

| Inspection Work Days | Facility Self-Monitoring Evaluation Rating | BI | QA | Reserved |
|---|---|---|---|---|
| 67 ... 69 | 70 | 71 | 72 | 73 ... 74 75 ... 80 |

## Section B: Facility Data

Name and Location of Facility Inspected *(For industrial users discharging to POTW, also include POTW name and NPDES permit number)*

VREUGDENHIL FARMS INC.
5202 JONES RD
SUMAS, WASHINGTON 98295

| Entry Time/Date | Permit Effective Date |
|---|---|
| 0930 PM FEB 24, 2011 | |
| **Exit Time/Date** | **Permit Expiration Date** |
| 1030 PM FEB 24, 2011 | |

Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)

CORNIE VREUGDENHIL OWNER/OPERATOR
PHONE [redacted] (b) (6) [redacted]

Other Facility Data *(e.g., SIC NAICS, and other descriptive information)*

SIC CODE: 0241

GPS N 48°.00034
W 122°.20004

Name, Address of Responsible Official/Title/Phone and Fax Number

SAME AS ABOVE

Contacted: [X] Yes [ ] No

## Section C: Areas Evaluated During Inspection *(Check only those areas evaluated)*

| | | | |
|---|---|---|---|
| [ ] Permit | [ ] Self-Monitoring Program | [ ] Pretreatment | [ ] MS4 |
| [ ] **Records/Reports** | [ ] Compliance Schedules | [ ] Pollution Prevention | |
| [X] Facility Site Review | [ ] Laboratory | [ ] Storm Water | |
| [ ] Effluent/Receiving Waters | [ ] Operations & Maintenance | [ ] Combined Sewer Overflow | |
| [ ] Flow Measurement | [ ] Sludge Handling/Disposal | [ ] Sanitary Sewer Overflow | |

## Section D: Summary of Findings/Comments

*(Attach additional sheets of narrative and checklists, including Single Event Violation codes, as necessary)*

SEV Codes SEV Description

RECEIVED
MAR 2 2011
U.S. EPA REGION 10
OFFICE OF COMPLIANCE AND ENFORCEMENT

| Name(s) and Signature(s) of Inspector(s) | Agency/Office/Phone and Fax Numbers | Date |
|---|---|---|
| DAVE TERPENING | EPA/OCE 206 553 6905 | FEB 24, 2011 |
| STEVEN POTTER | EPA/OCE 206 553 | FEB 24, 2011 |
| BRENT RICHMOND | EPA/OCE 360 871-8711 | |
| **Signature of Management Q A Reviewer** | **Agency/Office/Phone and Fax Numbers** | **Date** |
| Sandra Brouckey | EPA/OCE (206) 553-5317 | 4/7/11 |

EPA Form 3560-3 (Rev 1-06) Previous editions are obsolete.

NPDES WAU000530

PCS.
3-2-2011
YB

INSTRUCTIONS

## Section A: National Data System Coding *(i.e., PCS)*

**Column 1: Transaction Code:** Use N, C, or D for New, Change, or Delete. All inspections will be *new* unless there is an error in the data entered.

**Columns 3-11: NPDES Permit No.** Enter the facility's NPDES permit number - third character in permit number indicates permit type for U=unpermitted, G=general permit, etc.. *(Use the Remarks columns to record the State permit number, if necessary.)*

**Columns 12-17: Inspection Date.** Insert the date entry was made into the facility. Use the year/month/day format (e.g., 04/10/01 = October 01, 2004).

**Column 18: Inspection Type*.** Use one of the codes listed below to describe the type of inspection:

| | | | | | |
|---|---|---|---|---|---|
| A | Performance Audit | U | IU Inspection with Pretreatment Audit | ! | Pretreatment Compliance (Oversight) |
| B | Compliance Biomonitoring | X | Toxics Inspection | @ | Follow-up (enforcement) |
| C | Compliance Evaluation (non-sampling) | Z | Sludge - Biosolids | { | Storm Water-Construction-Sampling |
| D | Diagnostic | # | Combined Sewer Overflow-Sampling | } | Storm Water-Construction-Non-Sampling |
| F | Pretreatment (Follow-up) | $ | Combined Sewer Overflow-Non-Sampling | : | Storm Water-Non-Construction-Sampling |
| G | Pretreatment (Audit) | + | Sanitary Sewer Overflow-Sampling | ~ | Storm Water-Non-Construction-Non-Sampling |
| I | Industrial User (IU) Inspection | & | Sanitary Sewer Overflow-Non-Sampling | < | Storm Water-MS4-Sampling |
| J | Complaints | \ | CAFO-Sampling | - | Storm Water-MS4-Non-Sampling |
| M | Multimedia | = | CAFO-Non-Sampling | > | Storm Water-MS4-Audit |
| N | Spill | 2 | IU Sampling Inspection | | |
| O | Compliance Evaluation (Oversight) | 3 | IU Non-Sampling Inspection | | |
| P | Pretreatment Compliance Inspection | 4 | IU Toxics Inspection | | |
| R | Reconnaissance | 5 | IU Sampling Inspection with Pretreatment | | |
| S | Compliance Sampling | 6 | IU Non-Sampling Inspection with Pretreatment | | |
| | | 7 | IU Toxics with Pretreatment | | |

**Column 19: Inspector Code. Use one of the codes listed below to describe the *lead agency* in the inspection.**

| | |
|---|---|
| A — State (Contractor) | O — Other Inspectors, Federal/EPA (Specify in Remarks columns) |
| B — EPA (Contractor) | P — Other Inspectors, State (Specify in Remarks columns) |
| E — Corps of Engineers | R — EPA Regional Inspector |
| J — Joint EPA/State Inspectors—EPA Lead | S — State Inspector |
| L — Local Health Department (State) | T — Joint State/EPA Inspectors—State lead |
| N — NEIC Inspectors | |

**Column 20: Facility Type. Use one of the codes below to describe the facility.**

1 — Municipal. Publicly Owned Treatment Works (POTWs) with 1987 Standard Industrial Code (SIC) 4952.
2 — Industrial. Other than municipal, agricultural, and Federal facilities.
3 — Agricultural. Facilities classified with 1987 SIC 0111 to 0971.
4 — Federal. Facilities identified as Federal by the EPA Regional Office.
5 — Oil & Gas. Facilities classified with 1987 SIC 1311 to 1389.

**Columns 21-66: Remarks.** These columns are reserved for remarks at the discretion of the Region.

**Columns 67-69: Inspection Work Days.** Estimate the total work effort (to the nearest 0.1 work day), up to 99.9 days, that were used to complete the inspection and submit a QA reviewed report of findings. This estimate includes the accumulative effort of all participating inspectors; any effort for laboratory analyses, testing, and remote sensing; and the billed payroll time for travel and pre and post inspection preparation. This estimate does not require detailed documentation.

**Column 70: Facility Evaluation Rating.** Use information gathered during the inspection (regardless of inspection type) to evaluate the quality of the facility self-monitoring program. Grade the program using a scale of 1 to 5 with a score of 5 being used for very reliable self-monitoring programs, 3 being satisfactory, and 1 being used for very unreliable programs.

**Column 71: Biomonitoring Information.** Enter D for static testing. Enter F for flow through testing. Enter N for no biomonitoring.

**Column 72: Quality Assurance Data Inspection.** Enter Q if the inspection was conducted as followup on quality assurance sample results. Enter N otherwise.

**Columns 73-80:** These columns are reserved for regionally defined information.

## Section B: Facility Data

This section is self-explanatory except for "Other Facility Data," which may include new information not in the permit or PCS (e.g., new outfalls, names of receiving waters, new ownership, other updates to the record, SIC/NAICS Codes, Latitude/Longitude).

## Section C: Areas Evaluated During Inspection

Check only those areas evaluated by marking the appropriate box. Use Section D and additional sheets as necessary. Support the findings, as necessary, in a brief narrative report. Use the headings given on the report form (e.g., Permit, Records/Reports) when discussing the areas evaluated during the inspection.

## Section D: Summary of Findings/Comments

Briefly summarize the inspection findings. This summary should abstract the pertinent inspection findings, not replace the narrative report. Reference a list of attachments, such as completed checklists taken from the NPDES Compliance Inspection Manuals and pretreatment guidance documents, including effluent data when sampling has been done. Use extra sheets as necessary.

*Footnote: In addition to the inspection types listed above under column 18, a state may continue to use the following wet weather and CAFO inspection types until the state is brought into ICIS-NPDES: K: CAFO, V: SSO, Y: CSO, W: Storm Water 9: MS4. States may also use the new wet weather, CAFO and MS4 inspections types shown in column 18 of this form. The EPA regions are required to use the new wet weather, CAFO, and MS4 inspection types for inspections with an inspection date (DTIN) on or after July 1, 2005.

# NPDES
# CAFO
# Inspection Report

## VREUGDENHIL FARM LLC

## Sumas, Washington

**February 24, 2011**

**Prepared by:**
**Dave Terpening, Environmental Scientist**
**Environmental Protection Agency, Region 10**
**Office of Compliance and Enforcement**
**Inspection and Enforcement Management Unit**

(Unless otherwise noted, all details in this inspection report were obtained from conversations with Cornie Vreugdenhil or from observations during the inspection.

This inspection report includes several aerial photographs (attachment A) and a photograph documentation attachment (attachment B).

## I. Facility Information

| | |
|---|---|
| Facility Name: | Vreugdenhil Farms LLC |
| Facility Type: | Dairy (SIC 0241) |
| Facility Address: | 5202 Jones Road<br>Sumas, Washington 98295<br>Whatcom County |
| Mailing Address: | 5202 Jones Road<br>Sumas, Washington 98295<br>Whatcom County |
| Facility Phone #'s: | (b) (6) |
| Facility Contact: | Cornie Vreugdenhil |
| Facility GPS Position: | N 49° .000340<br>W 122° .200040 |

## II. Inspection Information

| | |
|---|---|
| Inspection Date: | February 24, 2011 |
| Arrival Time: | 9:30 AM |
| Departure Time: | 10:30 AM |
| Weather: | Clear and cold with high winds and below freezing |
| Purpose: | The inspection was conducted to document the facility's compliance with the Concentrated Animal Feeding Operation (CAFO) Regulations pursuant to the Clean Water Act (CWA). |
| Inspectors: | Dave Terpening (EPA)<br>Brent Richmond (EPA)<br>Steven Potokar (EPA) |

## III. Scope of Inspection

This inspection consisted of an opening conference to conduct initial introductions and to discuss the purpose and expectations of the inspection, a facility tour and a closing conference.

## IV. Permit Information

This facility is currently not covered by the Washington Concentrated Animal General Feeding Operation (CAFO) National Pollutant Discharge Elimination System (NPDES) General Permit.

## V. Facility Inspection

This was an unannounced NPDES Compliance Evaluation Inspection (CEI). Steven and I presented our credentials and identified ourselves as EPA inspectors to Mr. Vreugdenhil. I explained the purpose of the visit upon arriving at the facility on Wednesday February 24, 2011. I gave Mr. Vreugdenhil my business card and an EPA handout during the opening conference.

After the opening conference I went through a series of questions with Mr. Vreugdenhil to gather some additional information about the facility. When we completed the questions, we proceeded to walk around the dairy operation. The facility tour included the animal confinement area, milking parlor, waste handling process, waste storage lagoons and tanks, field application methods, feed and silage storage, and storm water management procedures. Mr. Vreugdenhil did not deny us access to the facility. We were allowed to inspect all areas that we wanted to see.

## VI. Background and Activity

According to Mr. Vreugdenhil, he bought the dairy about 10 years ago. Mr. Vreugdenhil owns and operates the dairy. This dairy is considered a large concentrated animal feeding operation with one barn where the animals are confined, fed, and maintained. It also includes a milk parlor, a silage storage area, waste storage lagoons, underground storage tank, and adjacent pastures. Mr. Vreugdenhil said he owns about 350 acres and leases another 200 acres.

Mr. Vreugdenhil said that he currently has 550 milking cows on the farm. All the cows are in the barn year-round. The waste generated at this facility is mainly manure and urine deposited in the barn areas. This facility collects the wastes generated and stores it until it can be land applied on nearby pastures or exported by a third party.

The current waste system is designed to scrape the alleyways to an underground tank. The waste is then pumped from the below ground tank to the lagoons. The liquid wastewater from the lagoons can be applied to the surrounding fields as needed. Mr. Vreugdenhil indicated that he has about 120 days of storage with a total capacity of 5.5 million gallons.

The inspection of this dairy is part of EPA Region 10's concentrated animal feeding operation initiative. This facility has been inspected by Washington State Department of Agriculture. The Nutrient Management Plan was available on site, has been implemented and was last updated around 2005.

## VII. Individuals Present

The inspectors present for this inspection included Dave Terpening (EPA), Brent Richmond (EPA), and Steven Potokar (EPA).

Mr. Vreugdenhil was present during the entire inspection.

## VIII. Observed Discharge

I did not see any wastewater discharged at the time of the inspection.

## IX. Receiving Water

Mr. Vreugdenhil said the nearest surface water to the farm is Saar Creek. Saar Creek runs along his property border of the farm and is a tributary to the Sumas River.

## X. Sample Collection and Analyses

I did not collect any samples at the time of this inspection.

## XI. Areas of Concern

We inspected the confinement area, the waste handling systems and I walked along the property border. I did not see or identify any concerns at the time of the inspection.

## XII. Closing Conference

The closing conference was held with Mr. Vreugdenhil to discuss our inspection observations. I thanked Mr. Vreugdenhil for his time and cooperation with the inspection.

**Report Completion Date:** April 7, 2011

**Lead Inspector Signature:** Dave Terpening

# ATTACHMENT A

**Aerial Photographs**


Aerial Photo of Vreugdenhil Farm LLC. Latitude N 49° .000340 Longitude W 122° .200040

# ATTACHMENT B

**Photograph Documentation**

NPDES CAFO Compliance Inspection conducted at Vreugdenhil Farms LLC on February 24, 2011. All photographs taken by Dave Terpening on February 24, 2011.

Photo 1 Looking down the feeding alley in the barn.

Photo 2 This area is used to dry the sand used to bed the cows.

NPDES CAFO Compliance Inspection conducted at Vreugdenhil Farms LLC on February 24, 2011. All photographs taken by Dave Terpening on February 24, 2011.

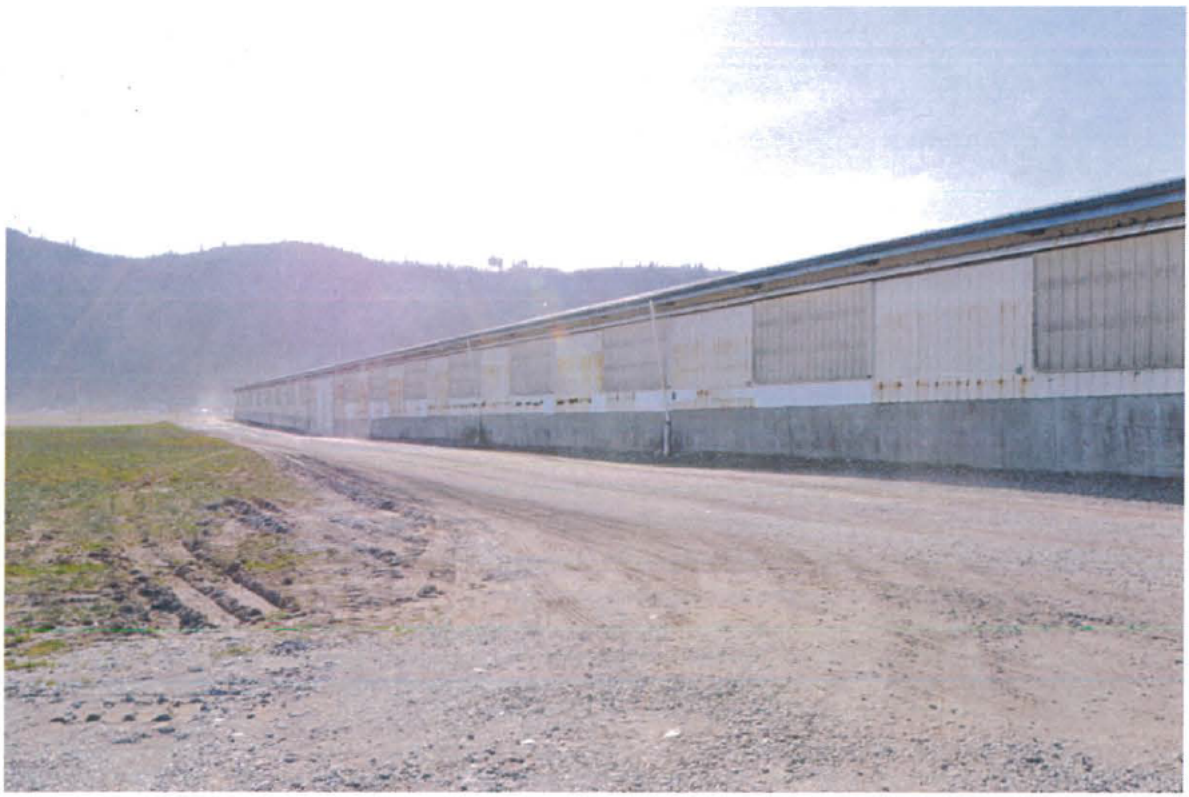

Photo 3 Shows the barn with gutters for collecting storm water.

Photo 4 Shows the feed storage areas and silage bunker.

NPDES CAFO Compliance Inspection conducted at Vreugdenhil Farms LLC on February 24, 2011. All photographs taken by Dave Terpening on February 24, 2011.

Photo 5 Photo of the solids separator used on the farm.

Photo 6 Looking west along the Canadian border marked by bob wire fence.

NPDES CAFO Compliance Inspection conducted at Vreugdenhil Farms LLC on February 24, 2011. All photographs taken by Dave Terpening on February 24, 2011.

Photo 7 Looking east on the north side of the lagoon. Lagoon is full.

Photo 8 Looking southwest across the full lagoon.